

## HK College of Pathologists Anatomical Pathology QAP 2004 Round 1 peer review

### Intended Diagnosis

Case	History	Intended Diagnosis	Contributor
AP158	F/91, ? Recurrent carcinoma of bladder	Nephrogenic adenoma	JKCC
AP159	Hypertension on Tenormin, Sjogren syndrome, deranged LFT; ALP 188, AST 101, ALT 108, ANF 1:1280, SMA weakly +ve, AMA -ve, HBV/HCV -ve. Liver biopsy.	Autoimmune cholangitis	MST
AP160	F/49, history of NPC with irradiation in 1985. Noticed left nasal mass for a month.	Post-irradiation sarcoma	IOLN
AP161	Female 65, with a non-healing ulcer of the tongue.	Spindle cell hemangioma	FML
AP162	F/79, left breast mass for 1 month.	Adenoid cystic carcinoma	JKCC

### Peer Review

Code	Case	Diagnosis	Comment	score
109	AP158	Nephrogenic adenoma (100%)	nil	100
123	AP158	Nephrogenic adenoma (100%)	nil	100
222	AP158	Bladder: Nephrogenic metaplasia	nil	100
246	AP158	Nephrogenic adenoma. 100%	nil	100
333	AP158	nephrogenic adenoma	nil	100
338	AP158	NEPHROGENIC ADENOMA(METAPLASIA). 100%	nil	100
369	AP158	Nephrogenic adenoma.(100%)	nil	100
448	AP158	Bladder biopsy - Nephrogenic adenoma 100%	nil	100
515	AP158	Nephrogenic adenoma, 100%	nil	100
517	AP158	Nephrogenic adenoma	nil	100
530	AP158	Nephrogenic adenoma (100%)	nil	100
663	AP158	NEPHROGENIC ADENOMA (also known as MESONEPHROID METAPLASIA (100%))	nil	100
666	AP158	Benign mesonephroid metaplasia	nil	100
763	AP158	nephrogenic adenoma 100%	nil	100
815	AP158	Urethral caruncle	nil	50
873	AP158	Nephrogenic adenoma. Probability: 100%	Benign condition	100

Code	Case	Diagnosis	Comment	score
888	AP158	Nephrogenic adenoma 100%	nil	100
911	AP158	nephrogenic adenoma	nil	100
109	AP159	Autoimmune liver disease (autoimmune cholangitis 80%, autoimmune hepatitis or overlap syndrome 20%)	Please correlate clinically with scoring system for exact classification. Liver biopsy cores show preserved lobular architecture with portal tract expansion by moderate portal inflammatory infiltrate including lymphocytes and plasma cells. Piecemeal necrosis is mild. Bile duct damage is seen. No granuloma is found. Lobular activity is mild. No bridging fibrosis, cirrhosis, rosetting or multinucleated giant cell formation is seen.	90
123	AP159	Autoimmune cholangitis (100%)	nil	100
222	AP159	Liver: morphologically consistent with Primary biliary cirrhosis, second stage, combining the clinical data: ANF 1:1280, AMA 强, consistent with autoimmune cholangitis.	If responses to low-dose steroids, a definite diagnosis can be made.	100
246	AP159	Autoimmune liver disease (autoimmune cholangiopathy, probably with an element of autoimmune hepatitis as suggested by biochemical findings). 100%	nil	100
333	AP159	Autoimmune hepatitis and cholangiopathy	These are overlapping autoimmune syndromes.	90
338	AP159	AUTOIMMUNE CHOLANGITIS. 100%	nil	100
369	AP159	Autoimmune cholangiopathy.(100%)	nil	100

Code	Case	Diagnosis	Comment	score
448	AP159	Liver biopsy - autoimmune hepatitis with overlap syndromes 80% Liver biopsy - autoimmune hepatitis 20%	Overlap with primary biliary cirrhosis (currently AMA-ve). Granulomas in parenchyma also raised possibility of drug-related hepatitis	70
515	AP159	Autoimmune cholangiopathy, 100%	Need to perform stains such as Masson Trichrome or Chromotrope-aniline blue to look for fibrosis. Clinical correlation also in particular to see the profile of liver function test is necessary. A persistent elevated ALT/AST should raise the possibility of autoimmune hepatitis + autoimmune cholangiopathy (overlap syndrome). Changes secondary to drug reaction should also be excluded.	100
517	AP159	autoimmune hepatitis	nil	30
530	AP159	Hepatitis granulomata - Primary biliary cirrhosis? Autoimmune hepatitis?	Ziehl-Neelsen and Grocott stain to exclude infectious cause.	50
663	AP159	Autoimmune Cholangitis (100%)	nil	100
666	AP159	Active chronic hepatitis Favour PBC 75%	Need special stains for copper and CAP Serology for AMA, viral hepatitis	70
763	AP159	autoimmune cholangitis 100%	nil	100

Code	Case	Diagnosis	Comment	score
815	AP159	Overlap syndrome autoimmune hepatitis/primary biliary cirrhosis	nil	90
873	AP159	Granulomatous and periportal hepatitis, consistent with autoimmune cholangitis (or AMA negative Primary biliary cirrhosis). Probability: 100%	Nil	100
888	AP159	Granulomatous inflammation 100%	Differential diagnoses include primary biliary cirrhosis and autoimmune hepatitis. Drug induced hepatitis is also a possibility. Special stains for acid fast bacilli and fungal organisms have to be performed although infective causes are unlikely. Clinical correlation is necessary.	50
911	AP159	autoimmune cholangitis, stage 1-2	nil	100
109	AP160	Post-irradiation osteosarcoma (100%)	nil	100
123	AP160	Post-irradiation osteosarcoma (100%)	nil	100
222	AP160	Left Nasal cavity: chordoma associated with a high grade chondrosarcoma? edifferentiated chordoma	nil	70
246	AP160	Post-irradiation sarcoma, consistent with osteosarcoma. 100%	nil	100
333	AP160	Consistent with post-irradiation sarcoma (with suggestion of osteosarcomatous areas)	nil	100
338	AP160	POST-IRRADIATION OSTEOSARCOMA. 100%	nil	100
369	AP160	Post-irradiation sarcoma.(100%)	nil	100

Code	Case	Diagnosis	Comment	score
448	AP160	Nasal mass - osteogenic sarcoma 100%	According to the timing and location, this sarcoma is most probably causally related to previous radiation therapy for NPC.	100
515	AP160	Post irradiation sarcoma, 100%	Chondroid areas are present on the slide, but need more extensive sampling to look for features of differentiation, for e.g. unequivocal osteoid forming areas should suggest a diagnosis of post irradiation osteosarcoma.	100
517	AP160	post-irradiation sarcoma	nil	100
530	AP160	Postradiation chondrosarcoma (80%) Odontogenic tumor (20%)	There are present of calcification with concentric lamellar appearance and dentin matrix like material.	80
663	AP160	Post-Irradiation Sarcoma (100%)	nil	100
666	AP160	Favour benign Inflammatory/metaplastic polyp 67%	To exclude malignant mesenchymal neoplasm/ radiation induced	10
763	AP160	(postirradiation) osteosarcoma 100%	nil	100
815	AP160	Secondary osteosarcoma	nil	100
873	AP160	Irradiation induced osteosarcoma. Probability: 100%	nil	100
888	AP160	Post-irradiation sarcoma 100%	Features of chondrosarcoma and osteosarcoma are present.	100
911	AP160	post-irradiation osteosarcoma	nil	100

Code	Case	Diagnosis	Comment	score
109	AP161	Spindle cell haemangioendothelioma (70%) Kaposi's sarcoma (30%)	Advise immunostaining for HHV-8 LNA-1 which is highly sensitive and specific for Kaposi's sarcoma. Although the tumour morphology suggests spindle cell haemangioendothelioma, it is rare in oral cavity.	100
123	AP161	Spindle cell hemangioma (100%)	nil	100
222	AP161	Tongue: Spindle cell hemangioma	nil	100
246	AP161	Spindle cell hemangioma. 100%	nil	100
333	AP161	Benign vascular neoplasm with cellular spindle cell area, not further classifiable (80%) Kaposi sarcoma (20%)	confirm/exclude kaposi sarcoma by HHV-8 immunostaining.	100
338	AP161	SPINDLE CELL HEMANGIOMA(HEMANGIOENDOTHELIOMA). 100%	nil	100
369	AP161	Spindle cell hemangioendothelioma.(100%)	DDx includes Kaposi's sarcoma.	100
448	AP161	Tongue biopsy - spindle cell haemangioma 100%	nil	100
515	AP161	Spindle cell haemangioendothelioma (spindle cell haemangioma), 70% Kaposi's sarcoma, 30%	Immunohistochemical studies should differentiate spindle cell haemangioendothelioma from Kaposi's sarcoma, spindle cell haemangioendothelioma is HHV-8 negative, Kaposi's sarcoma is HHV-8 positive.	100
517	AP161	Spindle cell hemangioma	nil	100
530	AP161	Capillary hemangioma and blue nevus	nil	80

Code	Case	Diagnosis	Comment	score
663	AP161	Spindle Cell Hemangioma (100%)	This entity (previously named spindle cell hemangioendothelioma) is a benign vascular tumour that very rarely occurs in the tongue.	100
666	AP161	Benign haemangioma variant	To exclude Kaposi's (HIV status)	100
763	AP161	spindle cell hemangioma 100%	nil	100
815	AP161	Spindle cell hemangioendothelioma	nil	100
873	AP161	Spindle cell haemangioma (Haemangioendothelioma). Probability: 100%	nil	100
888	AP161	Spindle cell haemangioma 100%	nil	100
911	AP161	spindle cell hemangioendothelioma	nil	100
109	AP162	Adenoid cystic carcinoma (100%)	nil	100
123	AP162	Adenoid cystic carcinoma (100%)	nil	100
222	AP162	Left Breast: Adenoid cystic carcinoma	nil	100
246	AP162	Adenoid cystic carcinoma. 100%	nil	100
333	AP162	Adenoid cystic carcinoma	Grade 1	100
338	AP162	ADENOID CYSTIC CARCINOMA, grade 2 out of 3. 100%	nil	100
369	AP162	Adenoid cystic carcinoma.(100%)	nil	100
448	AP162	Breast mass - adenoid cystic carcinoma 100%	nil	100
515	AP162	Adenoid cystic carcinoma, 100%	nil	100
517	AP162	Adenoid cystic carcinoma	nil	100
530	AP162	Adenoid cystic carcinoma (100%)	nil	100
663	AP162	Adenoid Cystic Carcinoma, low grade, margin positive (100%)	nil	100
666	AP162	Malignant Adenoid cystic carcinoma	nil	100
763	AP162	adenoid cystic carcinoma 100%	nil	100
815	AP162	Adenoid cystic carcinoma,infiltrative,involving margin	nil	100
873	AP162	Adenoid cystic carcinoma. Probability: 100%	Associate with good prognosis.	100
888	AP162	Adenoid cystic carcinoma 100%	nil	100
911	AP162	adenoid cystic carcinoma	nil	100